FIG. 1

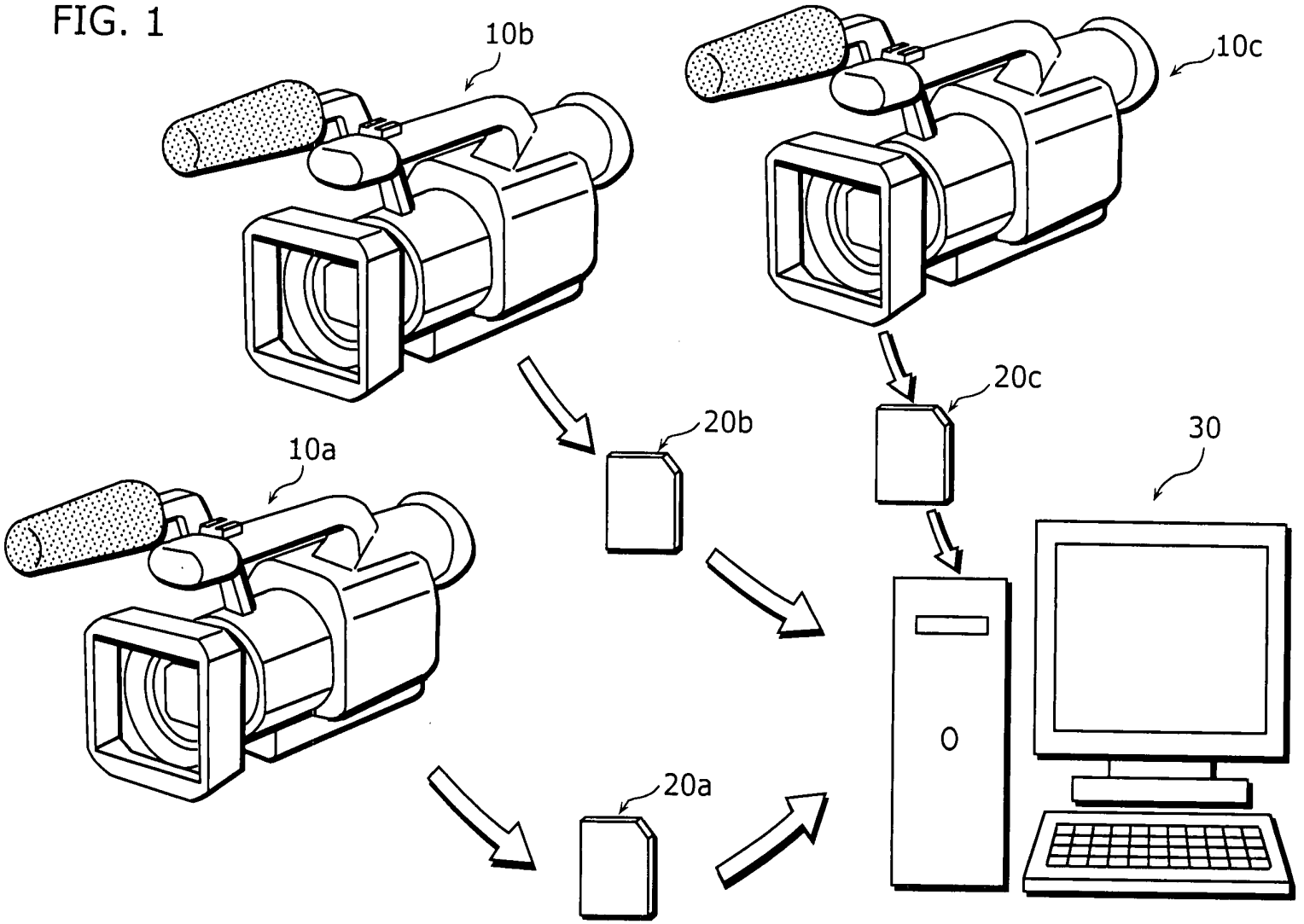

FIG. 2

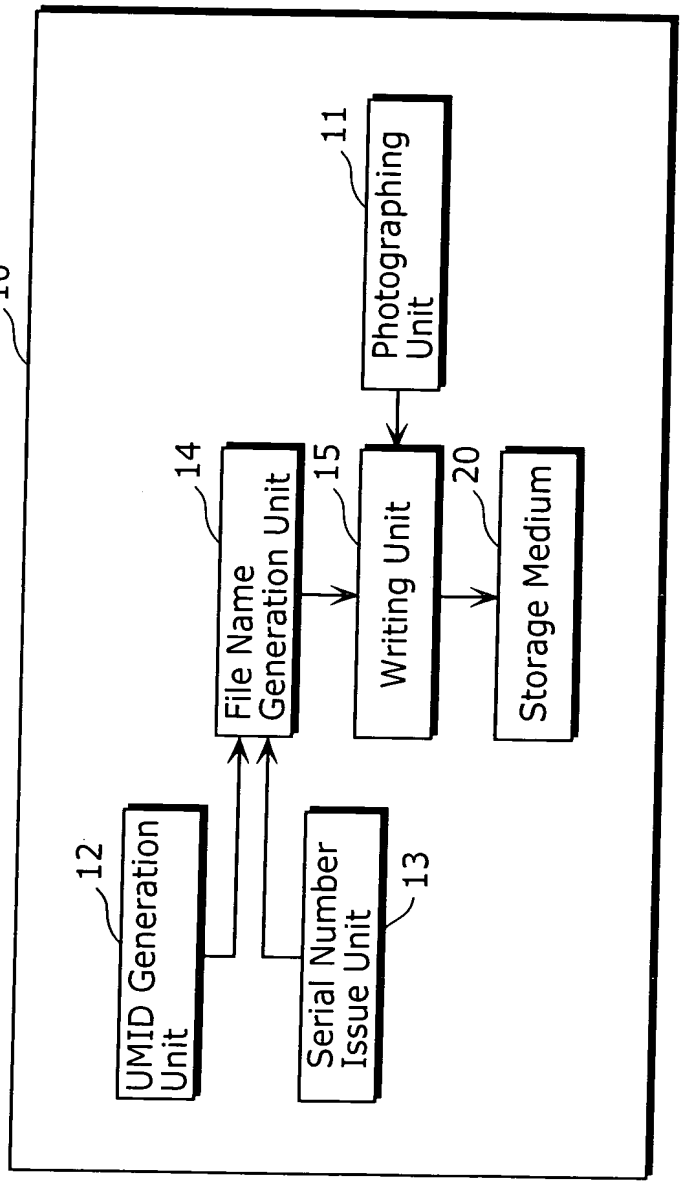
10
11
Photographing Unit
14
File Name Generation Unit
15
Writing Unit
20
Storage Medium
12
UMID Generation Unit
13
Serial Number Issue Unit

FIG. 3

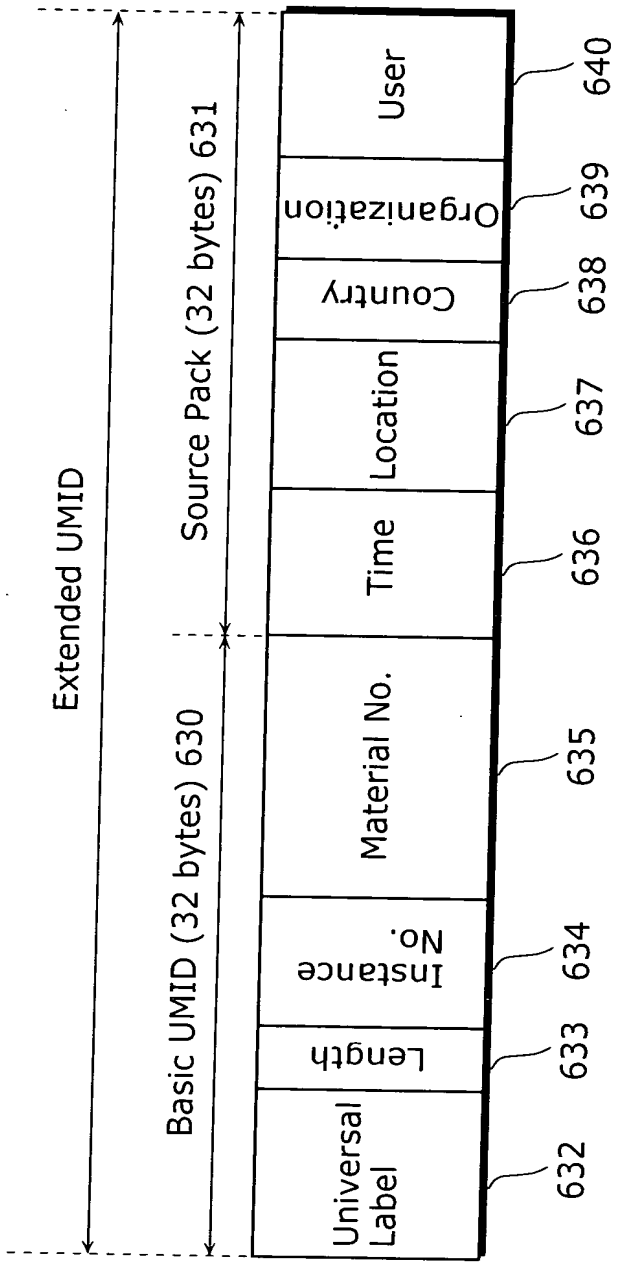
Extended UMID
Source Pack (32 bytes) 631
Basic UMID (32 bytes) 630
Universal Label
Length
Instance No.
Material No.
Time
Location
Country
Organization
User
632
633
634
635
636
637
638
639
640

FIG. 4

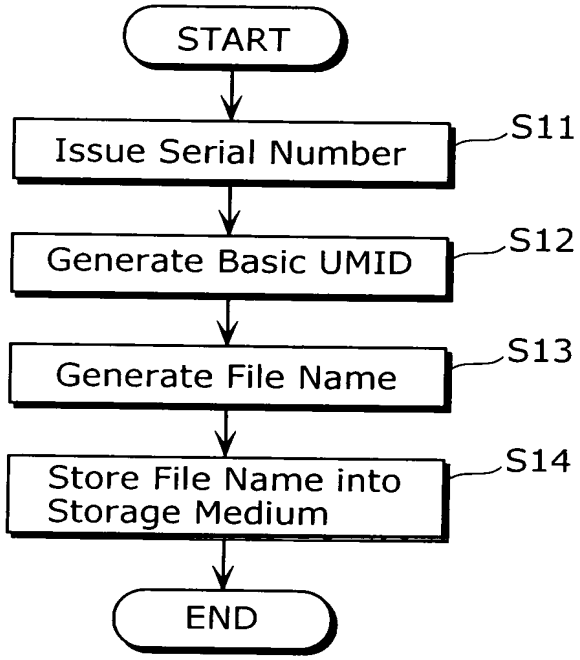
START
Issue Serial Number
S11
Generate Basic UMID
S12
Generate File Name
S13
Store File Name into Storage Medium
S14
END

FIG. 5

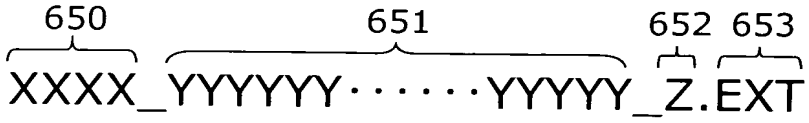
650
651
652
653
XXXX_YYYYYY·····YYYYY_Z.EXT

FIG. 6

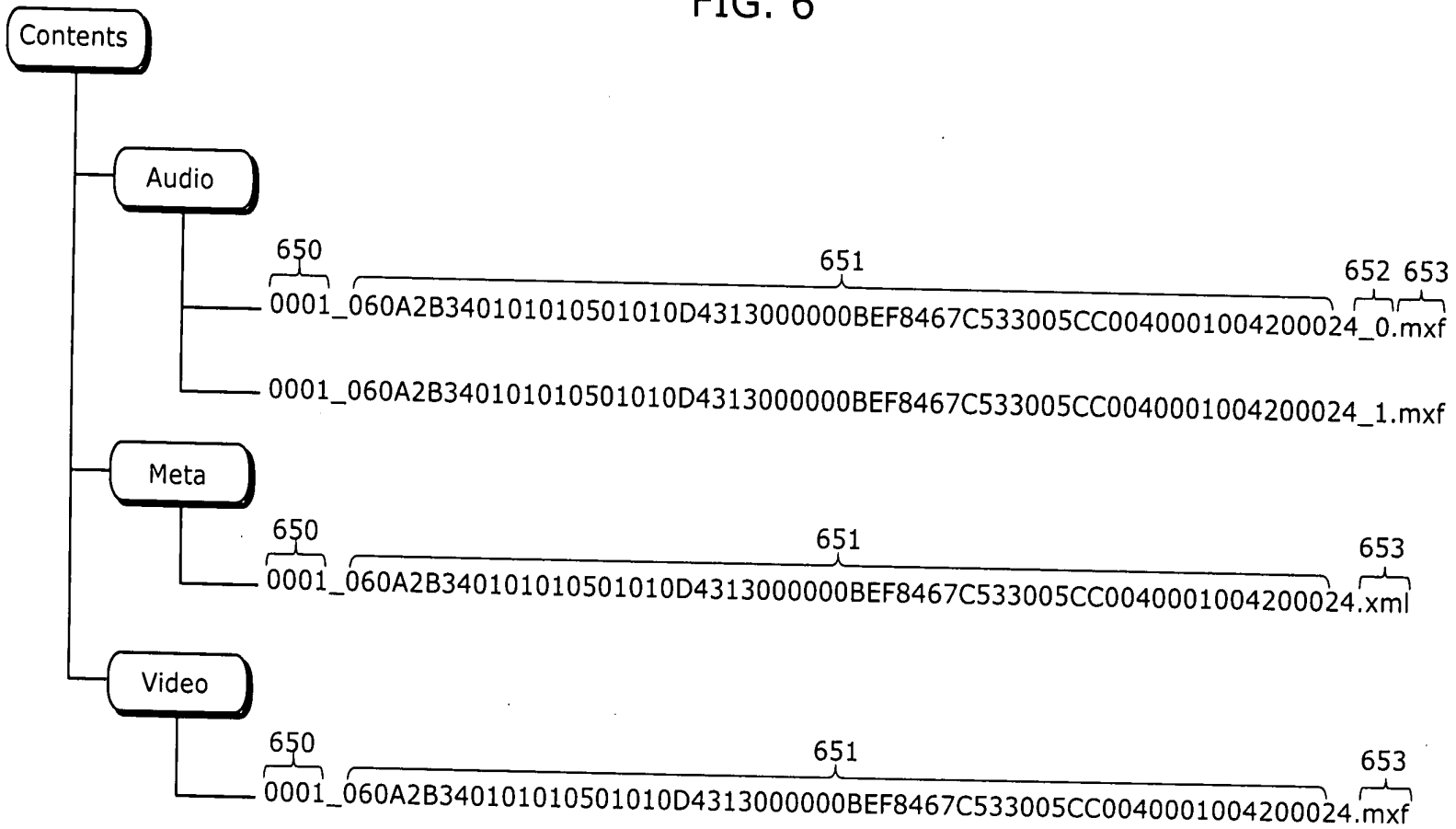
Contents
Audio
650
651
652
653
0001_060A2B340101010501010D4313000000BEF8467C533005CC0040001004200024_0.mxf
0001_060A2B340101010501010D4313000000BEF8467C533005CC0040001004200024_1.mxf
Meta
650
651
653
0001_060A2B340101010501010D4313000000BEF8467C533005CC0040001004200024.xml
Video
650
651
653
0001_060A2B340101010501010D4313000000BEF8467C533005CC0040001004200024.mxf

FIG. 7

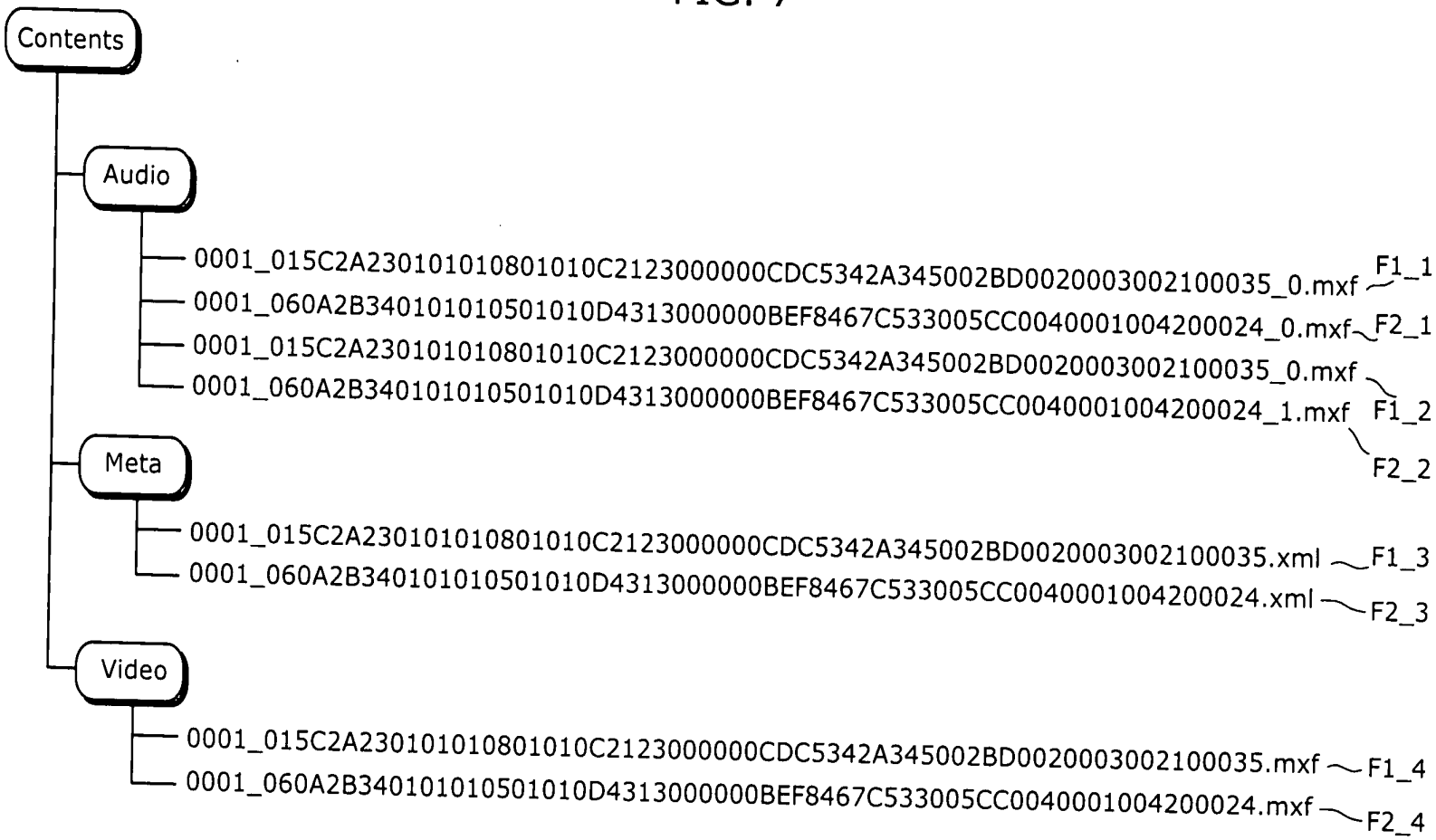
Contents
Audio
0001_015C2A230101010801010C2123000000CDC5342A345002BD0020003002100035_0.mxf
F1_1
0001_060A2B340101010501010D4313000000BEF8467C533005CC0040001004200024_0.mxf
F2_1
0001_015C2A230101010801010C2123000000CDC5342A345002BD0020003002100035_0.mxf
F1_2
0001_060A2B340101010501010D4313000000BEF8467C533005CC0040001004200024_1.mxf
F2_2
Meta
0001_015C2A230101010801010C2123000000CDC5342A345002BD0020003002100035.xml
F1_3
0001_060A2B340101010501010D4313000000BEF8467C533005CC0040001004200024.xml
F2_3
Video
0001_015C2A230101010801010C2123000000CDC5342A345002BD0020003002100035.mxf
F1_4
0001_060A2B340101010501010D4313000000BEF8467C533005CC0040001004200024.mxf
F2_4

FIG. 8

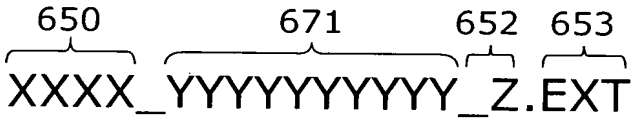
650
671
652
653
XXXX_YYYYYYYYYY_Z.EXT

FIG. 9

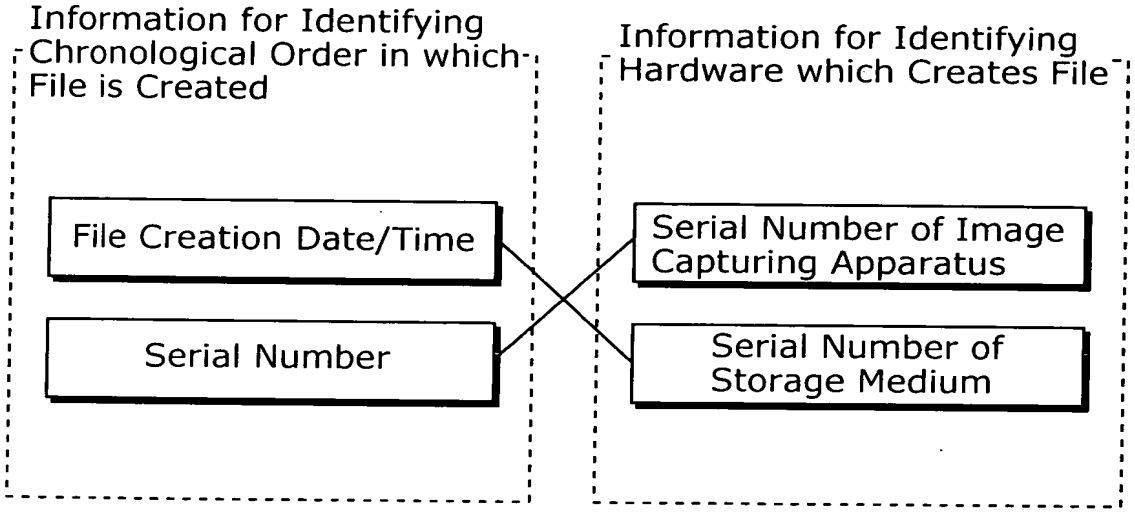
Information for Identifying Chronological Order in which File is Created
File Creation Date/Time
Serial Number
Information for Identifying Hardware which Creates File
Serial Number of Image Capturing Apparatus
Serial Number of Storage Medium

FIG. 10

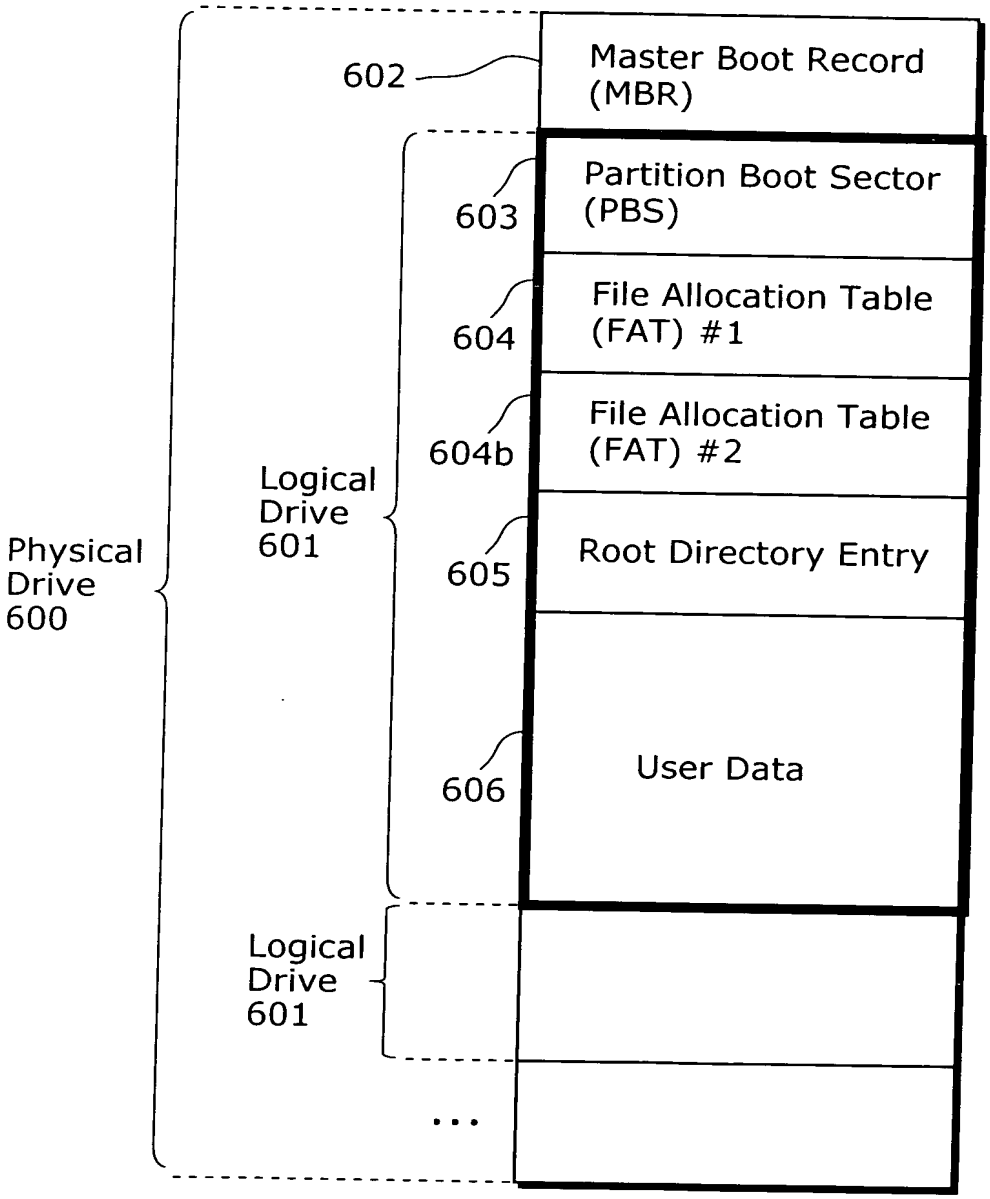
Master Boot Record (MBR)
602
Partition Boot Sector (PBS)
603
File Allocation Table (FAT) #1
604
File Allocation Table (FAT) #2
604b
Root Directory Entry
605
User Data
606
Logical Drive 601
Logical Drive 601
Physical Drive 600
...

FIG. 11

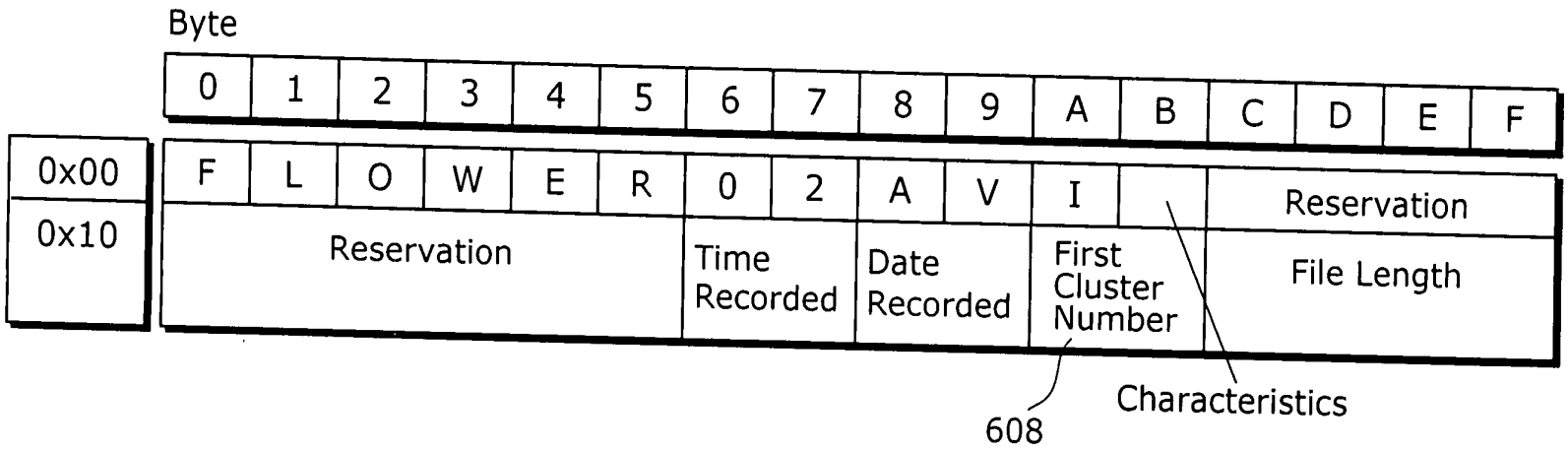
Byte
0
1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
0x00
0x10
F
L
O
W
E
R
0
2
A
V
I
Reservation
Reservation
Time Recorded
Date Recorded
First Cluster Number
File Length
608
Characteristics

FIG. 12

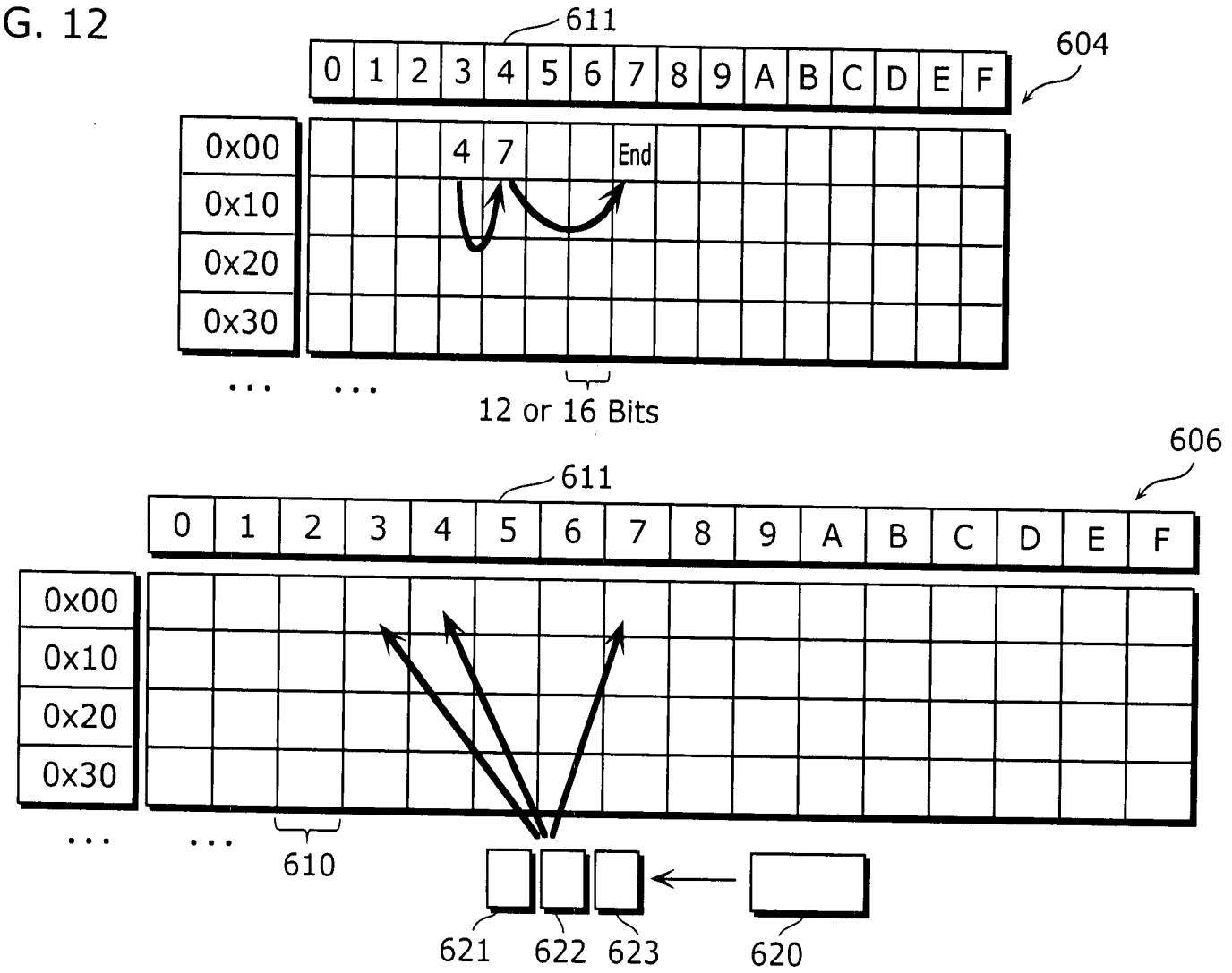
611
604
0 1 2 3 4 5 6 7 8 9 A B C D E F
0x00
0x10
0x20
0x30
4 7 End
12 or 16 Bits
606
611
0 1 2 3 4 5 6 7 8 9 A B C D E F
0x00
0x10
0x20
0x30
610
621 622 623 620

FIG. 13

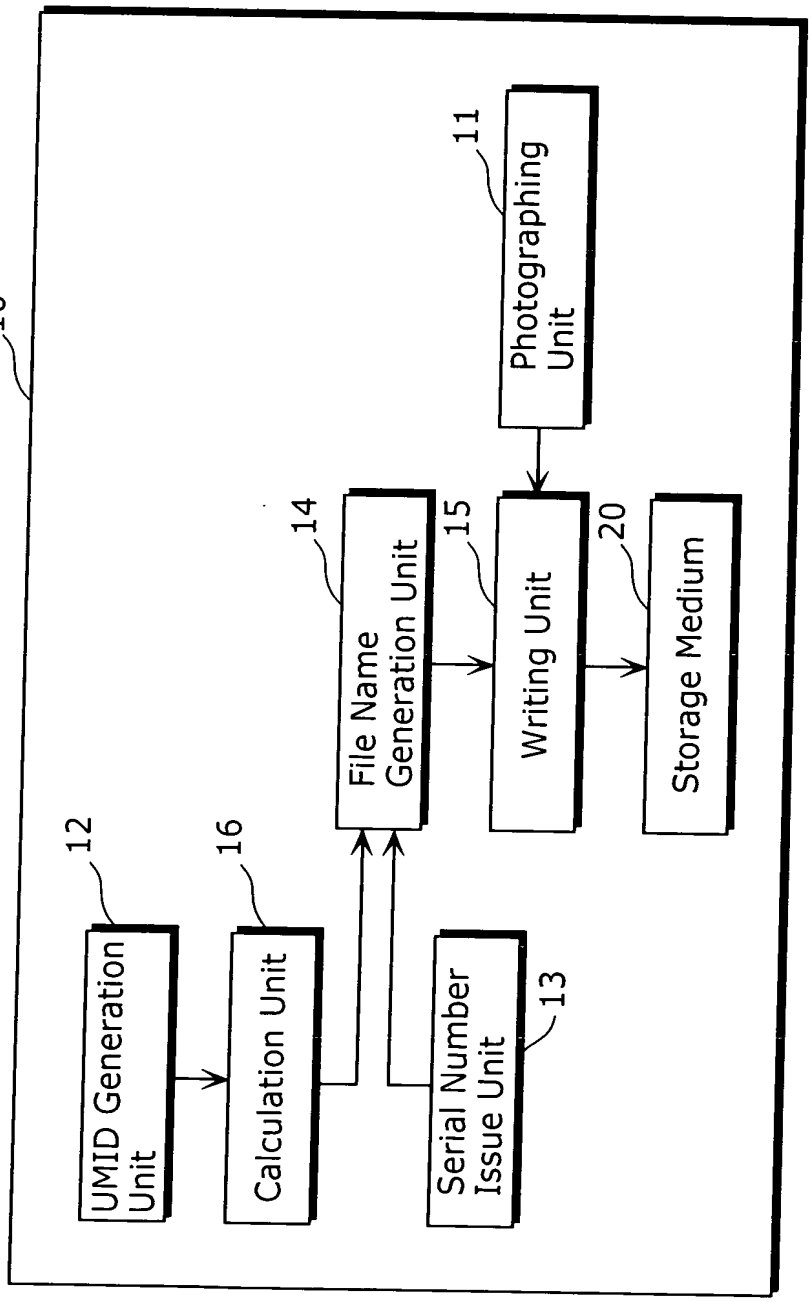
10
11
Photographing Unit
14
File Name Generation Unit
15
Writing Unit
20
Storage Medium
12
UMID Generation Unit
16
Calculation Unit
Serial Number Issue Unit
13

FIG. 14

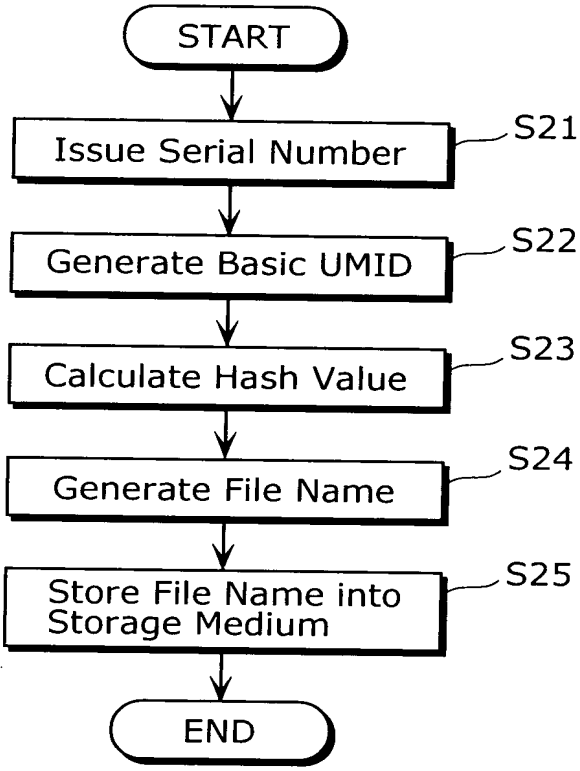
START
Issue Serial Number
S21
Generate Basic UMID
S22
Calculate Hash Value
S23
Generate File Name
S24
Store File Name into Storage Medium
S25
END

FIG. 15

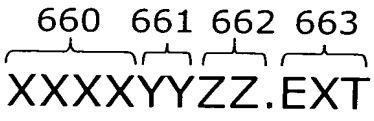
660
661
662
663
XXXXYYZZ.EXT

FIG. 16

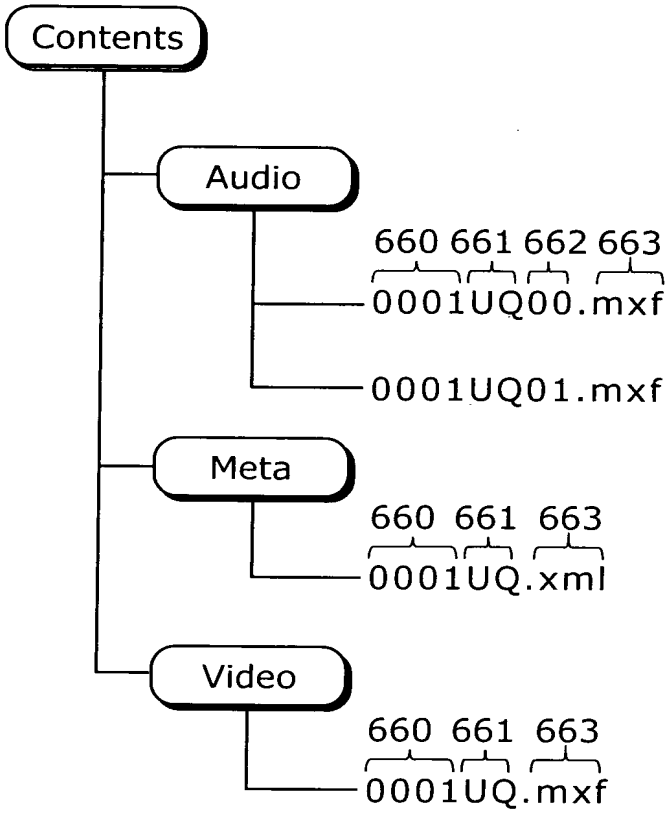
Contents
Audio
660 661 662 663
0001UQ00.mxf
0001UQ01.mxf
Meta
660 661 663
0001UQ.xml
Video
660 661 663
0001UQ.mxf

FIG. 17

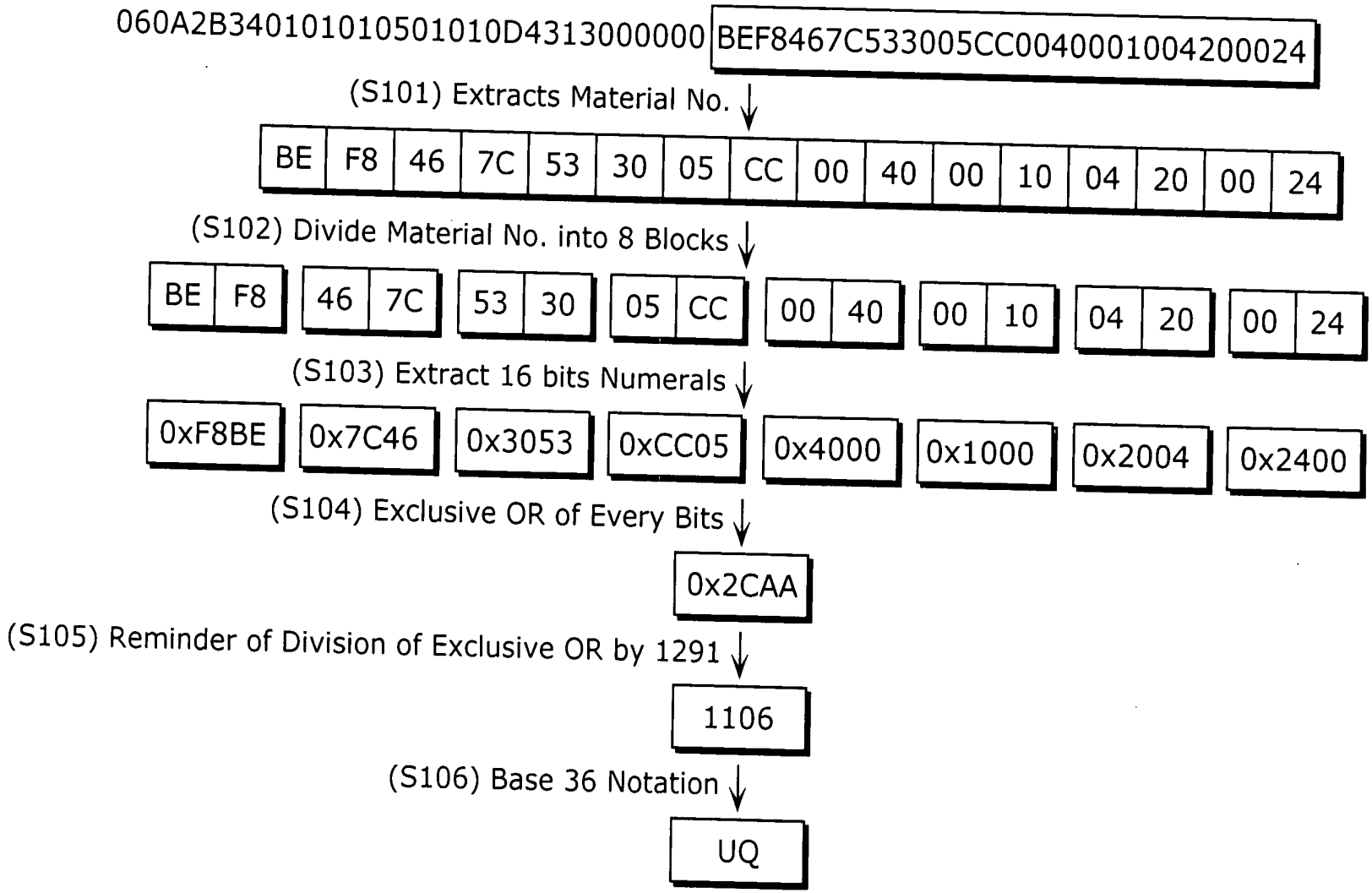
060A2B3401010105010D4313000000
BEF8467C533005CC0040001004200024
(S101) Extracts Material No.
BE F8 46 7C 53 30 05 CC 00 40 00 10 04 20 00 24
(S102) Divide Material No. into 8 Blocks
BE F8 46 7C 53 30 05 CC 00 40 00 10 04 20 00 24
(S103) Extract 16 bits Numerals
0xF8BE 0x7C46 0x3053 0xCC05 0x4000 0x1000 0x2004 0x2400
(S104) Exclusive OR of Every Bits
0x2CAA
(S105) Reminder of Division of Exclusive OR by 1291
1106
(S106) Base 36 Notation
UQ

FIG. 18

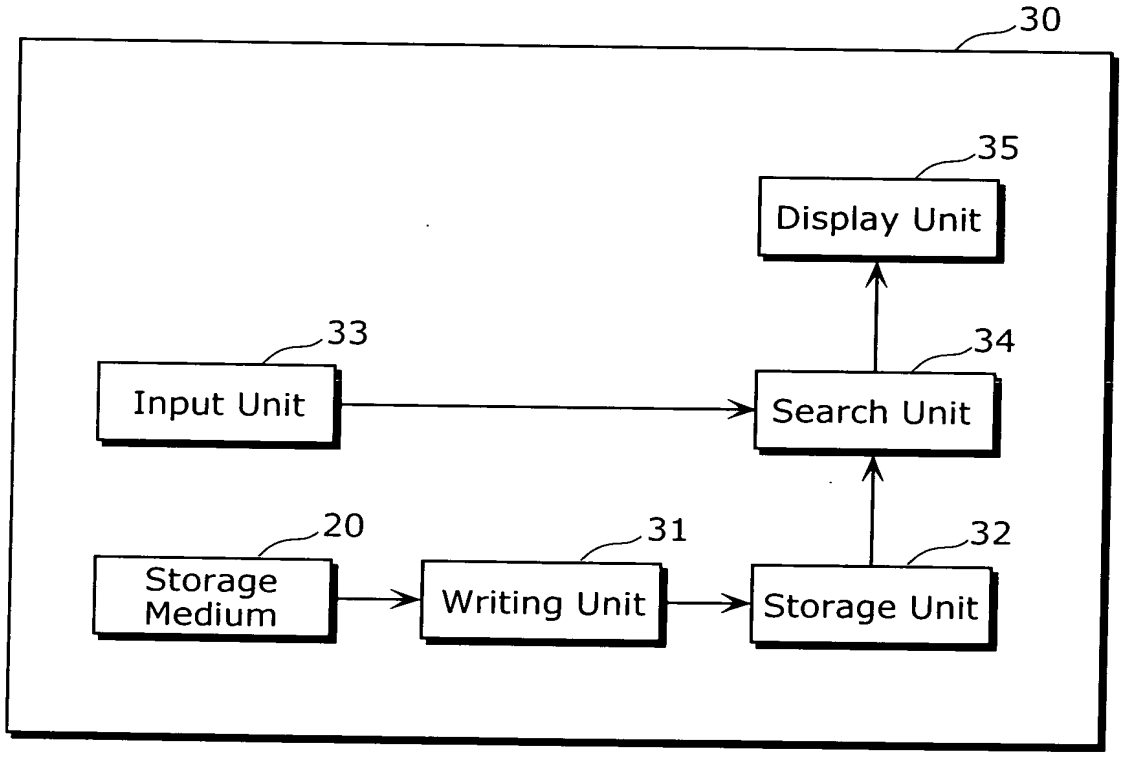
30
35
Display Unit
33
34
Input Unit
Search Unit
20
31
32
Storage Medium
Writing Unit
Storage Unit

FIG. 19

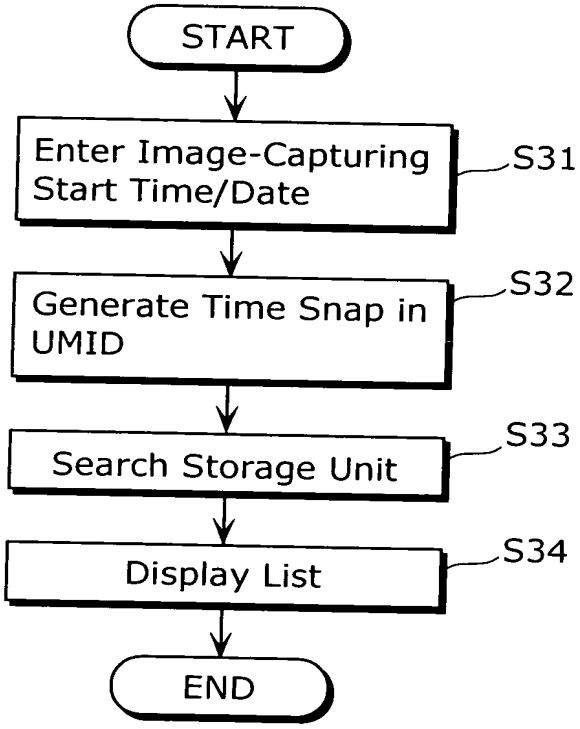
START
Enter Image-Capturing Start Time/Date
S31
Generate Time Snap in UMID
S32
Search Storage Unit
S33
Display List
S34
END

FIG. 20A

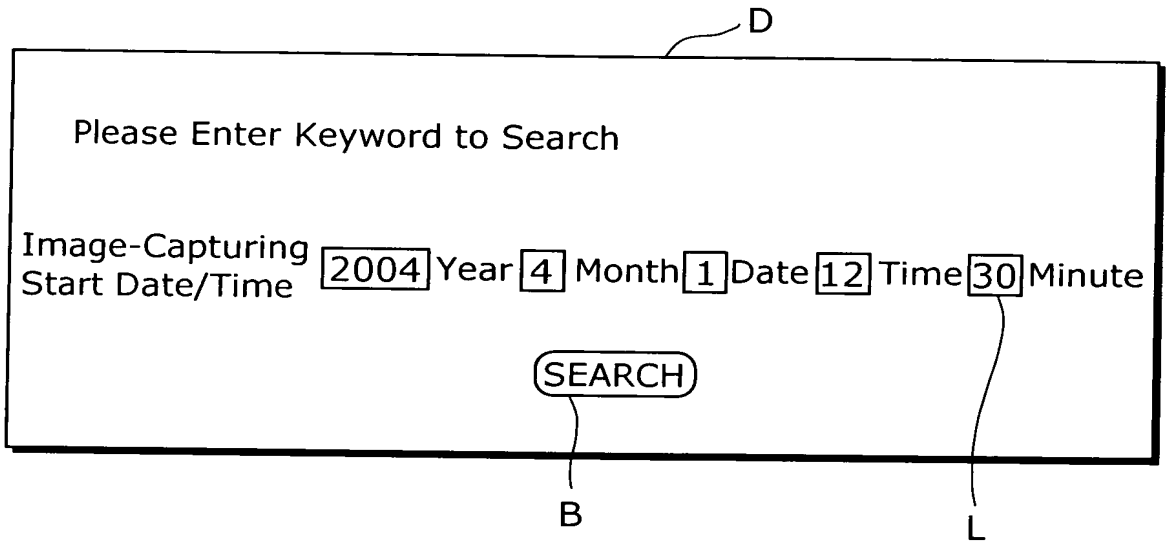

FIG. 20B

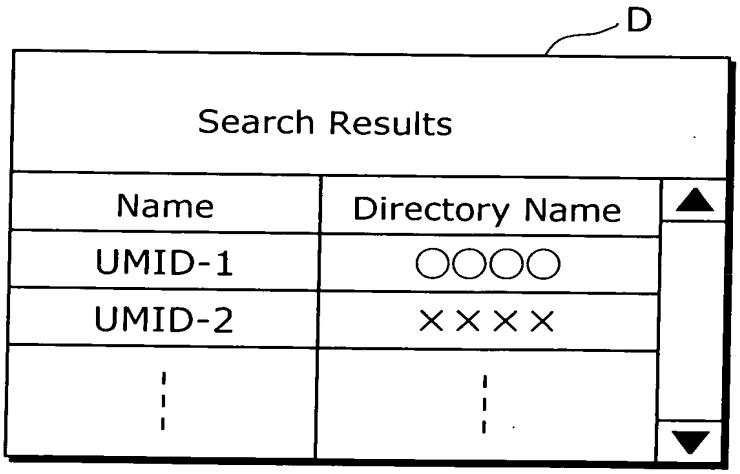

FIG. 21

UMID	Image-Capturing Location
UMID-1	Tokyo
UMID-2	Osaka
UMID-3	Tokyo

T